

Coaxial Detector

10MHz-40GHz /20 dBm,Input Power

Model: TPSD10M40GN2

The TPSD10M40GN2 is a coaxial detector designed to operate from 10 MHz to 40GHz. The RF input configuration offers coax adapter structure with 2.92mm male and output port configuration offers coax adapter structure with SMA female.

Features:

- Frequency range:10 MHz-40 GHz
- Voltage sensitivity: 0.35 mV/uW Typ
- High speed finline detector
- 50 Ohm Matched Input / Output

Applications:

- Electronic warfare
- Test&measurement
- System monitoring
- AM noise measurements
- leveling pulse signal sources

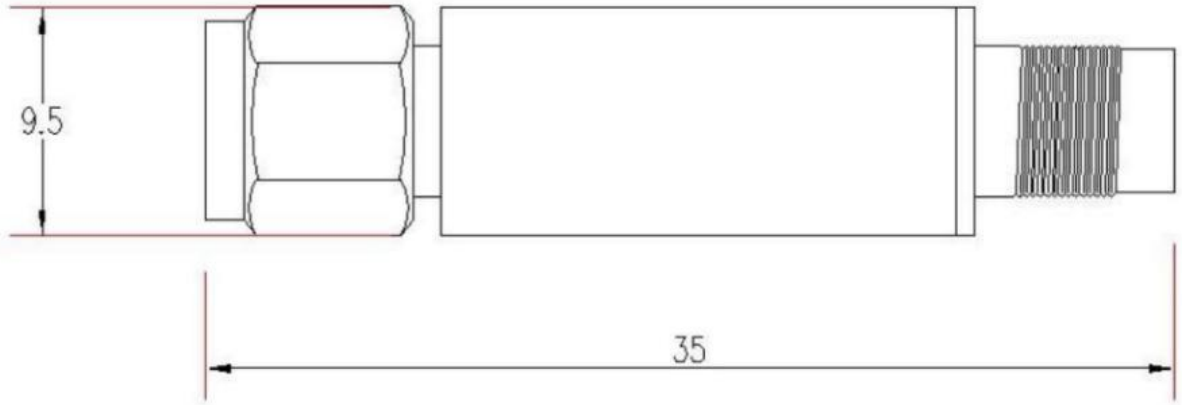
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	10MHz-40GHz			
驻波 VSWR		2		:1
电压灵敏度 Voltage Sensitivity		0.35		mV/uW
输入功率 Input Power	-40		20	dBm
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
RF输入接口 RF Input Connector	2.92mm Male	
输出接口 Output Connector	SMA Female	
壳体 Body Material	Stainless Steel 303	
内导体 Center conductor	Becu, Golden	
长度 Length	35	mm

外形图 Outline Drawing: Unit:mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

温度环境 Environmental Conditions:

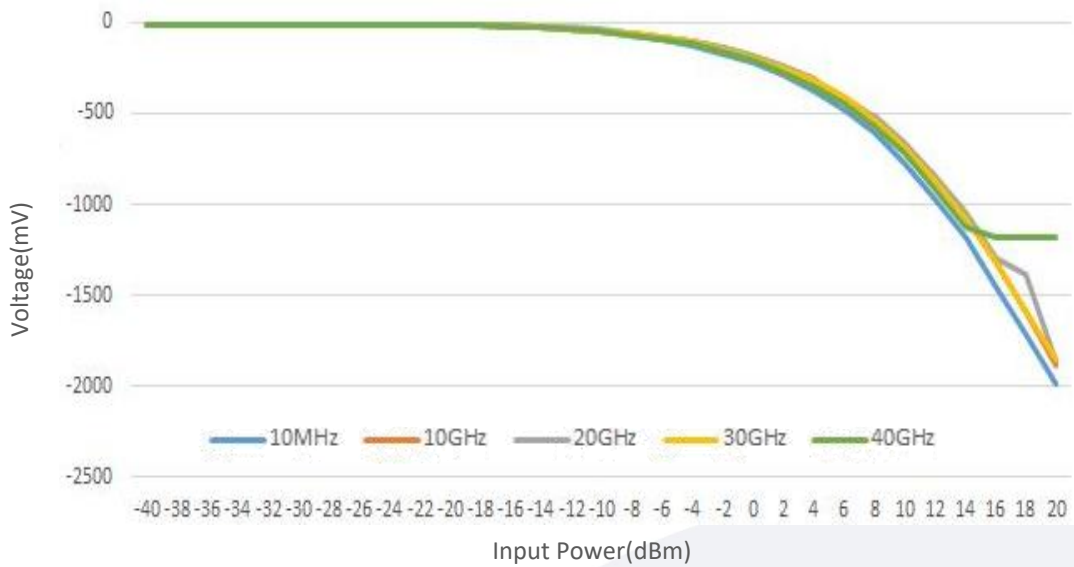
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-20		+70	°C
存储温度 Non-operating Temperature	-40		+85	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	10,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Base Number	描述 Desciption	版本号 Revision
TPSD10M40GN2	Coaxial Detector, 10MHz-40GHz, Voltage sensitivity :0.35 mV/uW Typ	Rev.1.1

典型曲线 Typical Performance Data:

Output Voltage vs Input Power



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.